

AMENDMENTS TO THE SPECIFICATION:

Please replace paragraph [8] with the following amended paragraph:

[8] The second band pass filter 4 filters the IF signal outputted from the frequency mixer 3 and inputs it to the demodulator 5. The IF signal inputted to the demodulator 5 is converted into the I/Q signal, inputted to the low pass filter 6 and filtered therein. Each I/Q signal outputted through the low pass filter 6 is converted into digital signals by the analog/digital converter 10 and is reproduced to an original signal through the MSM 7.

Please replace paragraph [38] with the following amended paragraph:

[38] The frequency mixer 24 mixes an output signal of the voltage control oscillator 23 under the control of a phase locked loop 28 and the RF signal outputted ~~from~~ from the first band pass filter 22 and outputs an IF signal. The demodulator 27 demodulates a signal received by a system by adjusting an interval of a data pointer according to the control signal of the controller 26. The MSM 30 includes: an analog/digital converter 30a for converting I/Q signal transmitted through the low pass filter into a digital signal; a rate judging unit 30b for sensing a data rate of a signal received by the system; and a baseband modem 30c.